## Midazolam

| Indication                                      | Sedation  
|                                               | Status epilepticus  
|                                               | Terminal agitation / terminal breathlessness in palliative care |
| Dose                                           | Sedation  
|                                               | Intravenous – 30-60micrograms/kg/hour  
|                                               | Use 30micrograms/kg/hour in babies <32 weeks gestation  
| Status epilepticus:                           | Intravenous – Loading dose of 150-200micrograms/kg  
|                                               | Continuous infusion 60-200 micrograms/kg/hour – adjusted  
|                                               | according to response  
|                                               | Buccal – 300micrograms/kg repeated once after 10 minutes if needed  
| Terminal agitation / terminal breathlessness in palliative care: | Buccal – 100microgram/kg as a single dose (maximum initial dose 5mg)  
|                                               | SC or IV infusion – 30-150micrograms/kg/hour  
| Route of administration                       | IV bolus over 2 minutes (loading dose)  
|                                               | Continuous IV / SC infusion  
|                                               | Buccal  
| To prepare                                     | 5mg/mL solution and 1mg/mL solution available  
|                                               | **Preferred diluent:** glucose 10%  
|                                               | Other diluents: glucose 5%, sodium chloride 0.9%  
| To make 10mg in 50mL:                         | From 5mg/mL solution:  
|                                               | Draw up 2mL of 5mg/mL midazolam (10mg) and add to 48mL of diluent.  
|                                               | From 1mg/mL solution:  
|                                               | Draw up 10mL of 1mg/mL midazolam (10mg) and add to 40mL of diluent.  
| Compatibilities                                | Adrenaline, amiodarone, atracurium, calcium gluconate, cefotaxime, cefuroxime, digoxin, dopamine, fentanyl, fluconazole, gentamicin, heparin, insulin, metronidazole, milrinone, morphine, noradrenaline, parenteral nutrition (vamin only), vancomycin  
| Known incompatibilities                        | Ambisome, amoxicillin, ceftazidime, dexamethasone, flucloxacillin, furosemide, hydrocortisone, parenteral nutrition (lipid only), phenobarbital, sodium bicarbonate.  
| Notes                                          | Midazolam is a short-acting benzodiazepine with hypnotic, anxiolytic, muscle relaxant and anticonvulsant activity.  
|                                               | Onset of action by buccal route 5-15 minutes. If possible, divide the dose so half is given into one cheek and the remaining half into the other cheek.  
|                                               | High doses can lead to paradoxical agitation.  
|                                               | If there is no compatibility information for specific drugs, do not assume compatibility. For incompatible drugs or those with no compatibility information use a separate line or, for short infusions, flush well between drugs.  

Clinicians must accept individual responsibility for using this information and prescribing safely.